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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|----------------------------------------|-------------|----------------------|-------------------------|------------------|
| 10/789,856 | 02/27/2004 | David William Solano | 18005 | 8484 |
| 7590 02/07/2005 | | EXAMINER | | |
| Robert Kapalka | | | HYEON, HAE M | |
| Tyco Electronics Corporation Suite 140 | | | ART UNIT | PAPER NUMBER |
| 4550 New Linden Hill Road | | | 2839 | |
| Wilmington, DE 19808 | | | DATE MAILED: 02/07/2005 | |

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | Application No. | Applicant(s) | | | |
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| Office Action Summary | | 10/789,856 | SOLANO, DAVID WILLIAM | | | |
| | | Examiner | Art Unit | | | |
| | | Hae M. Hyeon | 2839 | | | |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply | | | | | | |
| THE MA - Extension after SIX - If the perior of the period | RTENED STATUTORY PERIOD FOR REPAILING DATE OF THIS COMMUNICATION ns of time may be available under the provisions of 37 CFR (6) MONTHS from the mailing date of this communication. ioid for reply specified above is less than thirty (30) days, a rick for reply is specified above, the maximum statutory perion reply within the set or extended period for reply will, by starty received by the Office later than three months after the matalent term adjustment. See 37 CFR 1.704(b). | N. 1.136(a). In no event, however, may a reply be tir reply within the statutory minimum of thirty (30) day od will apply and will expire SIX (6) MONTHS from tute, cause the application to become ABANDONE | nely filed s will be considered timely. the mailing date of this communication. CO (35 U.S.C. § 133). | | | |
| Status | | | | | | |
| 1)⊠ R | 1) Responsive to communication(s) filed on 27 February 2004. | | | | | |
| 2a) <u> </u> | nis action is FINAL . 2b)⊠ T | his action is non-final. | | | | |
| · — | Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. | | | | | |
| Disposition | of Claims | | | | | |
| 4) Claim(s) 1-19 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-19 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. | | | | | | |
| Application | Papers | | | | | |
| 9)⊠ The specification is objected to by the Examiner. | | | | | | |
| 10)⊠ The drawing(s) filed on <u>18 March 2004</u> is/are: a)□ accepted or b)⊠ objected to by the Examiner. | | | | | | |
| Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). | | | | | | |
| Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. | | | | | | |
| Priority und | der 35 U.S.C. § 119 | • | | | | |
| 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. | | | | | | |
| A44 | | | | | | |
| Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) | | | | | | |
| 2) Notice o | f Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail D | ate | | | |
| | ion Disclosure Statement(s) (PTO-1449 or PTO/SB/0 o(s)/Mail Date | 5) Notice of Informal F 6) Other: | Patent Application (PTO-152) | | | |

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DETAILED ACTION

Drawings

- 1. The drawings are objected to because the hatching lines of the cross-sectional view do not use proper lines for representing different materials. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.
- 2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: "160" in Figure 1. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate

prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities: In the paragraph [0017], line 5, "upper end 131" should be -- front end 131 --.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 1-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Okayasu et al (6,364,692 B1).

Okayasu discloses a connector comprising a receptacle 10 and a plug 20. The receptacle 10 comprises a housing 12 having a mating face, a contact 15, a terminal position assurance (TPA) member 40, and a gel 30. The housing 12 includes inner and outer shells separated by a gap and multiple chambers 13 for holding contacts 15 (see Fig. 2). The TPA member 40 is

mounted over the contacts 15 and has openings 43 aligned with the contacts 15. The gel 30 is sandwiched between the TPA member 40 and the inner shell (dielectric member). The housing 12 also includes rear openings for receiving wires W and annular seal 18 for surrounding the wires to form watertight seals between wires and the receptacle 10. The plug 20 comprises a housing 22 and contacts 23. When the plug 20 is mated with the receptacle 10, the housing 22 of the plug 20 envelops the inner shell of the receptacle 10. The contacts 23 of the plug 20 pass through the gel 30 and mate with the contacts 15 of the receptacle 10. When the plug 20 is removed, the slits formed in the gel 30 by the contacts 23 of the plug 20 close to re-seal the contact 15 of the receptacle 10.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's 6. disclosure.

US Patent No. 3,972,581 by Oldham, US Patent No. 4,425,017 by Chan, US Patent No. 5,639,992 by Debbaut, and US Patent No. 5,975,945 by Daoud.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hae M. Hyeon whose telephone number is 571-272-2093. The examiner can normally be reached on Mon.-Fri. (8:30-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tulsidas C. Patel can be reached on (571) 272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

> Hae M Hyeon Primary Examiner Art Unit 2839

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Hae Moon Hyeon

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